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Hexapod Herald

Volume 24

April 2012

Number 2

WELCOME

New Distance Masters Students:

Spring 2012 – **Heather Holloway**, Boise, ID; **Thomas McKenna**, Ellington, CT; **Juan Rodriguez**, Montgomery, TX; **Bryan Shields**, Fennville, MI

CONGRATULATIONS

Dr. Shripat Kamble will receive the 2012 Distinguished Achievement Award in Urban Entomology. He will be recognized at the National Conference on Urban Entomology (NCUE) meeting in Atlanta, GA, on May 21. Dr. Kamble will present the Arnold Mallis Memorial Award Lecture at the opening session.

Drs. David Carter and **Tiffany Heng-Moss** were honored by UNL's Teaching Council/Parents Association for outstanding service to students at an annual recognition ceremony held February 3, 2012. This is the 3rd time Dr. Carter has received this recognition, and it is the 8th time for Dr. Heng-Moss.

Dr. Shripat Kamble and his wife, Linda, are the proud grandparents of a new granddaughter, Adella Bernadette, daughter of Bill and Paima (Kamble) Fendrick, born March 29, 2012. Adella weighed 9 lbs., 9 oz., and was 20 inches long. She was welcomed home by big brothers, Leo and Frankie.



PUBLICATIONS

Bradshaw, Jeffrey, Alex Pavlista, and Robert Harveson. 2012. The Potato/Tomato Psyllid, <http://www.ianrpubs.unl.edu/sendIt/g2113>. UNL Extension NebGuide G2113.

Harveson, Robert, **Jeffrey Bradshaw**, and Alex Pavlista. 2012. Zebra Chip Disease of Potatoes in Nebraska, <http://www.ianrpubs.unl.edu/epublic/live/g2112/build/g2112.pdf>

Larson S., N. Patel, J.M. Hustedt, V. Freeman, R.A. Drijber, C.P. Bailey, and **D.O. Carter**. 2012. Storage and handling procedures for using soil molecular biology as trace evidence. Proceedings of the 64th Annual Meeting of the American Academy of Forensic Sciences 18:89.

Maile A., D.O. Carter, R.A. Drijber. 2012. Can *Lucilia sericata* change gravesoil microbial community structure? Proceedings of the 64th Annual Meeting of the American Academy of Forensic Sciences 18:338-339.

Paulsen, M.J. and **F.C. Ocampo**. 2012. The Ochodaeidae of Argentina (Coleoptera, Scarabaeoidea). ZooKeys 174:7-30.

Saltin, J., P. Saltin, and **B.C. Ratcliffe**. 2012. A review of the distribution of *Harposcelis paradoxus* Burmeister, 1847 (Coleoptera: Scarabaeidae: Dynastinae: Cyclocephalini) with a new country record for Peru. *Dugesiana* 18: 147-151.

Whipple, S.D., E.J. Lindroth, W.W. Hoback, M.C. Albrecht, and **J.E. Foster**. 2012. Genetic Variability of *Digitonthophagus gazella* (F.) (Coleoptera: Scarabaeidae) from Vieques, Puerto Rico, and South Africa. *The Coleopterists Bulletin* 66(1):45-50.

Whipple, Sean D. and **W. Wyatt Hoback**. 2012. A Comparison of Dung Beetle (Coleoptera: Scarabaeidae) Attraction to Native and Exotic Mammal Dung. *Environmental Entomology* 41:238-244.

Wienhold B.J. and **D.B. Taylor**. 2012. Substrate Properties of Stable Fly (Diptera: Muscidae) Developmental Sites Associated With Round Bale Hay Feeding Sites in Eastern Nebraska. *Environmental Entomology* 41: 213-221.

FACULTY NEWS

Dr. David Carter has been promoted to Member of the Pathology/Biology Section of the American Academy of Forensic Sciences.

GRANTS

R. Knight, N. Fierer, J.L. Metcalf, **D.O. Carter**, A.A. Vass

- National Institute of Justice..... \$894,629
"Characterization of bacterial and fungal communities associated with corpse decomposition using next generation sequencing"

MEET AN OFF-CAMPUS STUDENT

Off-Campus M.S. Student – **Jennifer Cassell**

It seems as though most of us start out as budding entomologists. Most children are often fascinated with finding and collecting bugs. As a child, I was no different. I recall spending school recess building mounds of dirt and placing roly polies in it...a real life "Roly Poly Hotel." At certain times of the year, the back porch of my childhood home displayed my collection of left behind exoskeletons of June bugs. Growing up in north Florida, there was never a shortage of large palmetto bugs. I couldn't bring myself to kill them and instead would collect them in jars to grace my mother's kitchen counter. Sadly, she did not share my same fascination. I learned that ants were extremely industrious, as each day they would remove the sand I had pushed into their underground colony. Bathing my pet cat was always an experiment in counting fleas left behind in the dirty bath water. Summertime in North Carolina introduced me to fireflies....the best insect alive to occupy kids.



As an adult, I served as a Peace Corps volunteer in Mongolia and expanded my bug education to pest control. A few volunteers I served with became ill and covered in rashes after using locally mixed insecticides. My neighbor was kind enough to bring me a bottle of bug killing brew she cooked up and threatened me with the consequences of not utilizing it. Later when she visited, she became very upset with me when she saw that I still had the bottle of her kooky concoction unopened. Oh well, my home never did turn into "Joe's Apartment." My own personal experiments found that hairspray and all-purpose cleaner were better insecticides. The most valuable insect lesson learned in Mongolia was

that Ziploc bags filled with water are extremely effective at repelling flies and less time consuming than trying to catch them with chopsticks.

I received an undergraduate degree in Criminology from Florida State University and continued on with an M.S. in Education from Troy State University. In high school, I was very interested in the slowly recognized science of forensic entomology. This interest many years later led me to the University of Nebraska distance program in entomology. One semester...one course at a time...one day I'll obtain a degree in entomology. Currently, I am employed as a Customs and Border Protection Canine Officer on the California/Mexico border. Although often overlooked, preventing unintended introduction of insects is one way to protect our borders and is extremely important to the livelihood of Americans. I always have one eye open for actionable pests, as my furry canine friend and I conduct inspections. Once I complete the M.S. program at UNL, I plan to continue to utilize the knowledge at our nation's borders. And who knows? Maybe one day through continued education I'll become a forensic entomologist!

T R A V E L

Dr. Ken Pruess attended the North American Black Fly Association meeting at Archbold Biological Station, Lake Placid, FL, Feb. 8-10, 2012, and presented the paper, "Bar Coding the Black Fly Genus *Cnephia*".

M E E T I N G N E W S

Beginning beekeeping workshops were held February 18 in Nebraska City and March 10 in Hastings, NE. There were 95 participants at the Nebraska City workshop and 65 participants at the Hastings workshop. There will be a field day for the beginning beekeeping workshop participants on April 21 at the Agricultural Research and Development Center (ARDC) near Ithaca, NE. There will also be a master beekeeping workshop June 28-30, at the ARDC.

The 20th Nebraska Urban Pest Management Conference was held February 14-15 in Lincoln, NE. The conference included 33 speakers, 141 registrants, 61 different topics, 4 laboratory sessions and 17 exhibitors. We greatly appreciate the assistance of numerous helpers, moderators, and speakers.

T H I S ' N T H A T

Dr. Sean Whipple started in February as a postdoctoral research associate working with **Dr. Jeff Bradshaw** at the Panhandle Research and Extension Center. Sean received his Ph.D. degree in December working under the supervision of **Drs. John Foster** and **Wyatt Hoback**.

Steve Spomer is one of the "stars" in the movie, "Meet the Beetle", a documentary/musical about the Salt Creek tiger beetle, produced by Boaz Frankel. For more information, go to www.BeetleMovie.com. Steve is available for autographs in ENTO 12A pretty much anytime.

CropLife has named UNL Extension's Aphid Speed Scout, produced by Educational Media, the No. 1 mobile application for agriculture (<http://bit.ly/zqSd1a>). Aphid Speed Scout quickly determines if soybean aphids have reached the 250 aphids per plant threshold. Plants are considered "infested" if there are 40 or more aphids on that sample. The app also recommends further scouting or treatment options based on the number of infested plants in a given area. (Available for *iPhone*, *iPad*, *iPod Touch*) To download a copy of the file see UNL Extension Circular 1582, Soybean Aphid Speed Scouting Spreadsheet, by **Wayne J. Ohnesorg**, Extension Educator, **Thomas E. Hunt**, Extension Entomologist, and **Robert J. Wright**, Extension Entomologist, available at <http://go.unl.edu/4kv>

Celebrate the Next 125 Years of Entomology

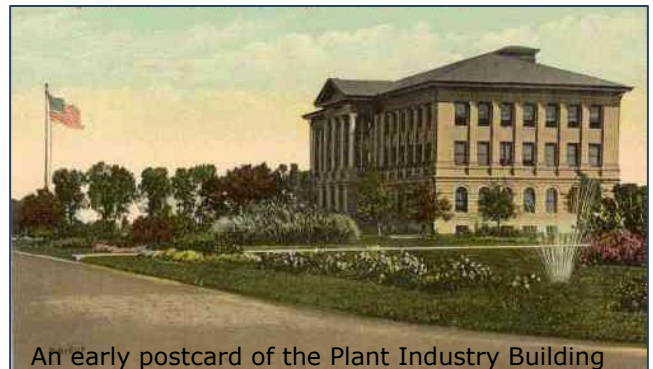
Alumni and Friends,

There are two reasons to come to Lincoln in June. Help us celebrate the next 125 years of entomology at UNL and tour our "new" building! While in Lincoln, attend the North Central Branch Meeting of the Entomological Society of America (June 3-6) with our own Dr. Fred Baxendale as President.

Established in 1887 as part of the Nebraska Agricultural Experiment Station, the Department of Entomology has been an organized unit for 125 years. Early work was concerned with "troublesome insects, especially grasshoppers."

In 1895, we joined Ornithology as the Department of Entomology and Ornithology. The Department of Entomology was reformed as a separate unit in 1906 and has continued since then.

The Plant Industry Building, renamed Entomology Hall in 2010, was dedicated on June 10, 1913, and has been the home of the Entomology Department ever since. Originally constructed for \$87,000, Phase I renovations began in 2008, were restricted to the third floor, and were completed in 2010 at a cost of 1.5M.



In 2011, renovation of the basement, first, and second floors began. Phase II was completed early in December 2011 at a cost of about 4.5M and included installation of new furniture throughout the building.

Plan to join us in June as we celebrate the next 125 years of entomology. We will have two open house opportunities. The first will be in conjunction with the North Central Branch meeting. The second will be an all campus event the Friday after the NCB meeting. Dates and times are below.

We look forward to seeing you in June.

Gary J. Brewer

Professor and Head

Department of Entomology

Visit us online at <http://entomology.unl.edu/>

Department of Entomology Open House Events

- Tuesday June 5, from 7 to 9 p.m., in conjunction with the North Central Branch meeting
- Friday June 8, from 4 to 6 p.m., an all campus event

Calendar of Events

April 10, 2012

- Entomology Seminar – Ralph Narain, Entomology Graduate Student
4:00 p.m., Nebraska East Union

April 17, 2012

- Entomology Seminar – Jelfina Alouw, Entomology Graduate Student
4:00 p.m., Nebraska East Union

April 21, 2012

- Beginning Beekeeping Field Day, Ithaca, NE

April 23-28, 2012

- Last Week of Classes

April 24, 2012

- Entomology Seminar – Zixiao Zhao, Entomology Graduate Student
4:00 p.m., Nebraska East Union

April 30-May 4, 2012

- Spring Semester Final Exams

May 4, 2012

- Entomology Department Graduate Reception
11:00 a.m., Nebraska East Union

May 4, 2012

- Spring Semester Graduate Commencement and Doctoral Hooding Ceremony
3:00 p.m., Devaney Sports Center

May 5, 2012

- Spring Semester Undergraduate Commencement
9:30 a.m., Devaney Sports Center

May 14, 2012

- 8-week Session Begins

May 18, 2012

- Last Day to Apply for a Degree in August

June 3-6, 2012

- ESA North Central Branch Meeting, Lincoln, NE

June 5, 2012

- Entomology Hall Open House in conjunction with North Central Branch Meeting
7:00 – 9:00 p.m.

June 8, 2012

- Entomology Hall Open House – all campus event
4:00 – 6:00 p.m.